# The Dutch Open Data Platform of the Future

The Dutch Kadaster launched its first release of the **Open Linked Data Platform** on the 1st of July 2016. This Dutch platform is the first in its size, enabling anyone to access and publish linked Geodata on the map. The strength of the platform lies in its open character, enabling any dataset to be transformed into Linked Data and APIs. The aim of the platform is to act as THE open Dutch Geo Data partner. Due to the **open standards** used, fully incorporating the W3C 5-star Linked Data principle. The data is easy to find and consume by data users.
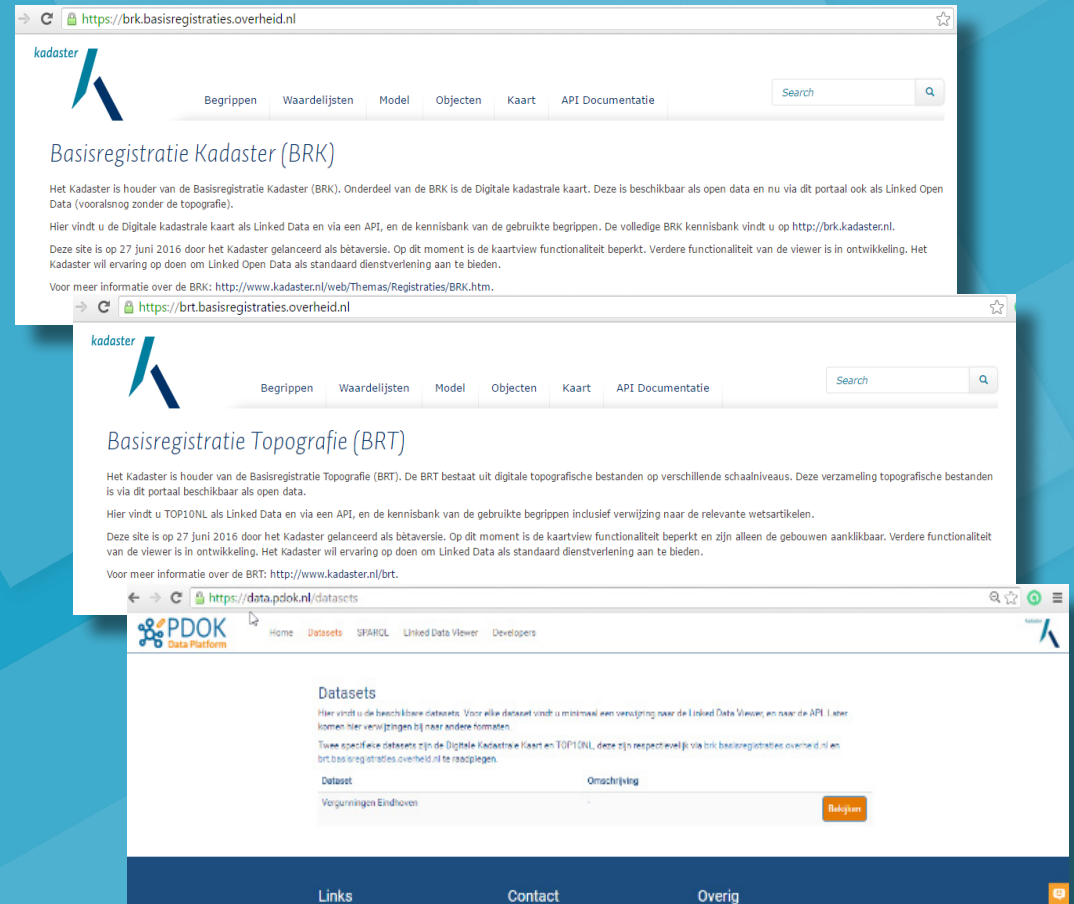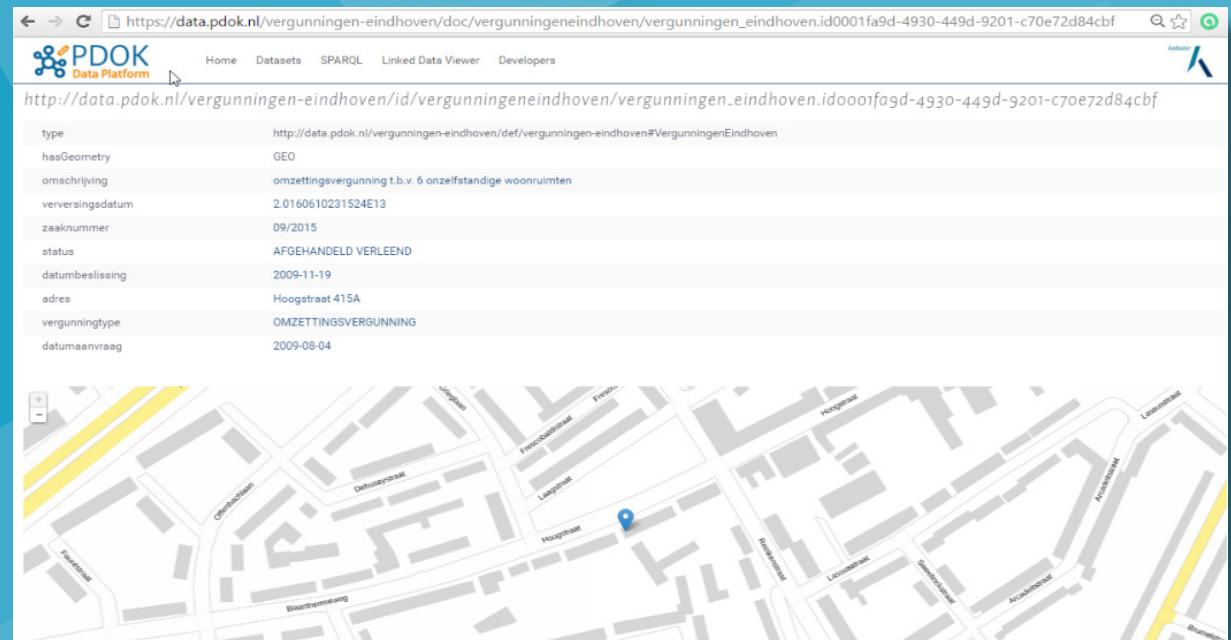

The first open datasets provided via the platform are the Digital Cadastral Map, Topographical base registry and an overview of permits that were issued in the city of Eindhoven.

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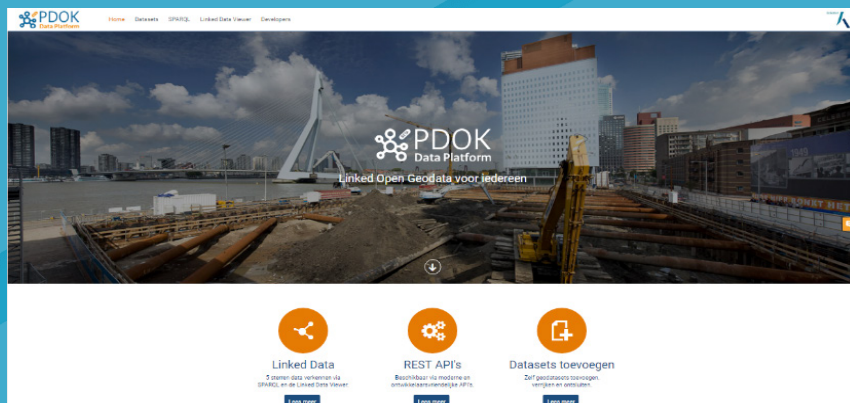
Data Platform Functionality

The **Linked Data Viewer** enables visitors to see data on a map. Data from different datasets like the Base registry of Addresses and Buildings, as well as the Digital Cadastral Map will be combined on the map in a next phase. In addition, Dutch citizens will be able to report any irregularities that they may encounter with the data. This will eventually result in the improvement of data as well as the improvement of the Living Environment.
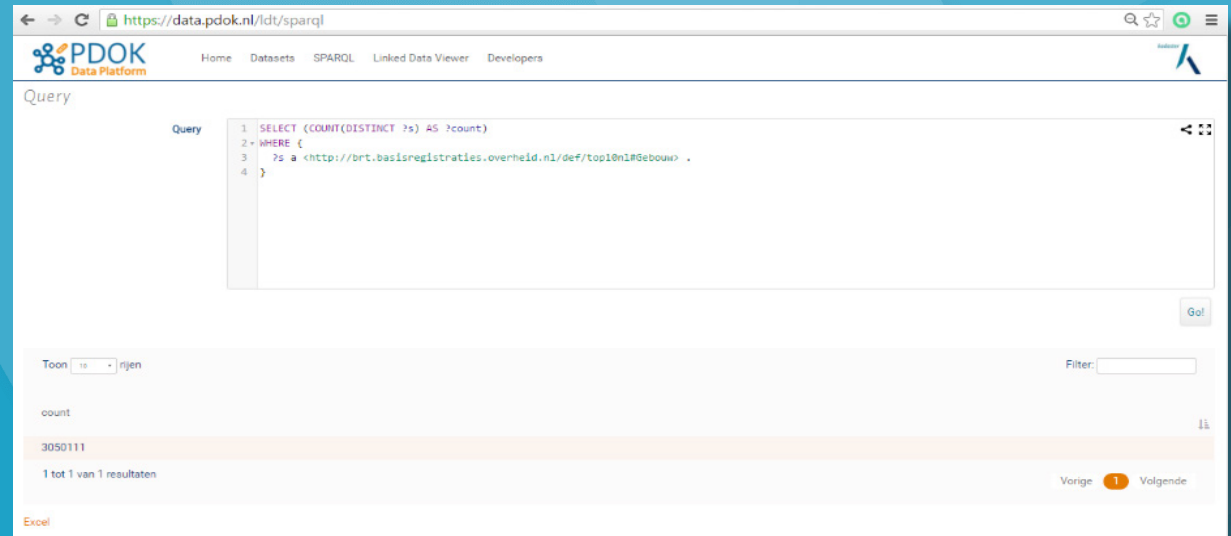

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Data Platform Functionality

The **SPARQL Endpoint** enables users to query all data stored on the Platform. For instance you can see that the Netherlands has a total of approximately 3 million buildings.
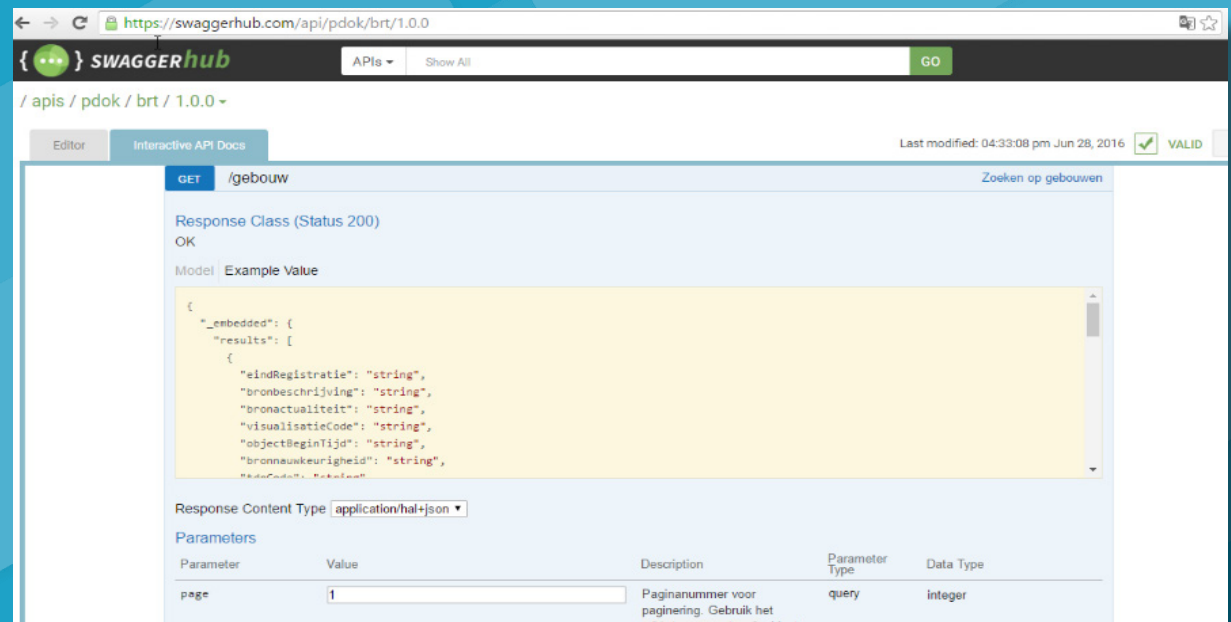

A set of fully documented **RESTful JSON APIs** have been made available. Each API's detailed documentation is provided through SwaggerHub.
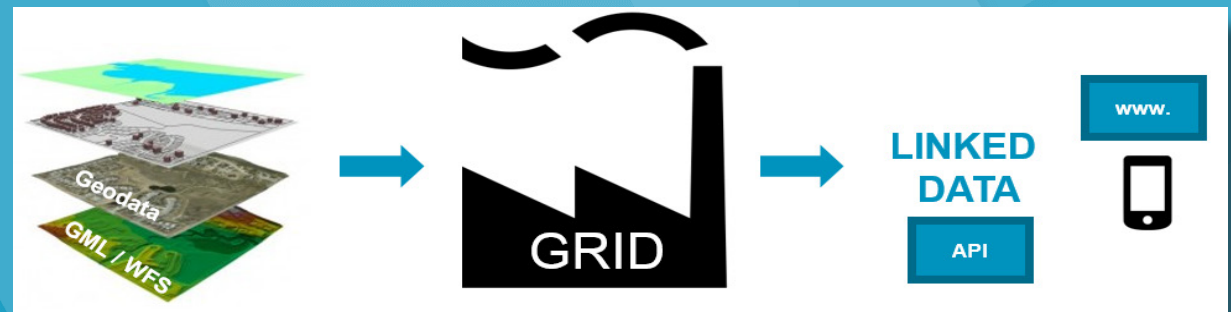

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The Data Platform "Factory"

Traditional Geo Data formats like WFS and GML are transformed in **Linked Data** and **APIs**. Future releases will enable transformation from other sources like XML. Geo Data is transformed into **RDF** through semantic enrichment.
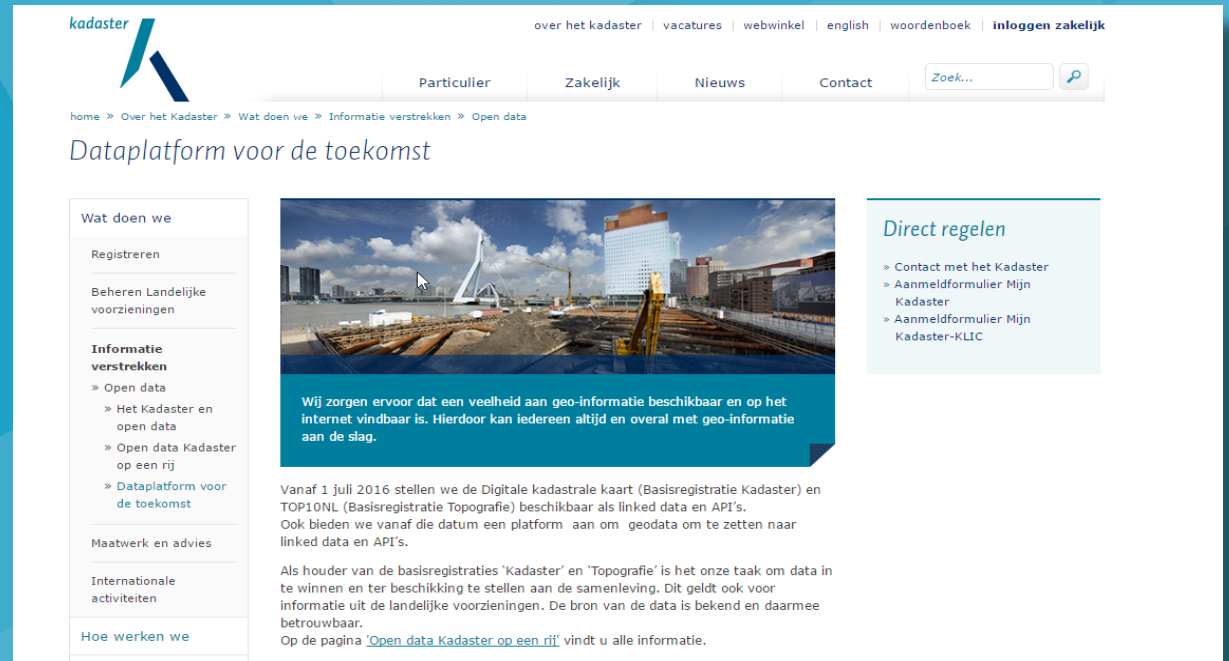

The future platform will also enable **3D functionality**, combining the Base registry of Addresses and Buildings with CityGML. This will offer the user an improved **User Experience** in the near future.
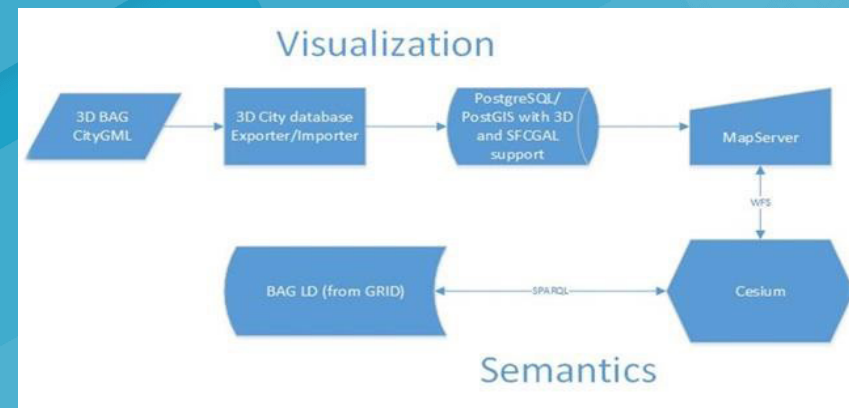
Linked Data and Kadaster

When linking **high quality** data, it will be easier for citizens, businesses and governments to find their desired information, aiding them in finding answers to specific questions. Linked Data brings coherence to information, making it easier to make decisions. In addition, search engines like Google, Bing and Yahoo are able to index the data. Datasets physically managed in different places can be questioned simultaneously through links between the data. This all results in a **State of the Art Functionality**!

What to Expect in the Near Future

Connecting Data Semantic and Geographical Data will be interlinked, starting with the Base registry for Addresses and Buildings as well as the Digital Cadastral Map.

Richer User Interface more visualisations like 3D, improved Development Portal, more metadata, improved findability through Google and other search engines and more to come…

Self Service enabling data providers to load their datasets automatically including a Semantic Mapping functionality.

Feedback Service enabling users to report any irregularities on the map.

Keep watching us!

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